



FORM PTO-1449	Atty. Docket No.: E252.12-0008	Application No.: 10/822,425
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor: Roger L. Frick	
	Filing Date: April 12, 2004	Group Art: 2828

## U.S. PATENT DOCUMENTS

Examiner Initials	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents
DBA	AA	4,758,087	Hicks, Jr.
	AB	5,331,658	Shieh, et al.
	AC	5,493,113	Dunphy, et al.
	AD	5,637,865	Bullat, et al.
	AE	5,822,355	Ahn, et al.
	AF	5,974,060	Byren, et al.
	AG	6,034,770	Kim, et al.
	AH	US 6,473,218 B1	Maleki, et al.
	AI	US 2001/0012149 A1	Lin, et al.
DBA	AJ	US 2002/0154860 A1	Fernald, et al.
	AK		

## FOREIGN PATENT DOCUMENTS

	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Translation Yes No
	AL			
	AM			
	AN			

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

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FORM PTO-1449

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E252.12-0006Application No.:  
10/822,425First Named Inventor:  
Roger L. FrickFiling Date:  
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Examiner Initials		Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents
DBA	AA	2002/0154860	10-24-2002	Fernald et al.
	AB	3,350,994	11-07-1967	D.J. De Michele
	AC	3,756,081	09-04-1973	Young
	AD	3,872,421	03-18-1975	Rogers et al.
	AE	3,878,477	04-15-1975	Dias et al.
	AF	3,883,798	05-13-1975	Free
	AG	3,939,406	02-17-1976	Billeter et al.
	AH	3,978,731	09-07-1976	Reeder et al.
	AI	4,143,335	03-06-1979	Beukers et al.
	AJ	4,163,396	08-07-1979	Waugh
	AK	4,265,124	05-05-1981	Lim et al.
	AL	4,311,980	01-19-1982	Prudenziati
	AM	4,377,851	03-22-1983	McNamara
	AN	4,452,533	06-05-1984	Miles et al.
	AO	4,594,881	06-17-1986	Imamura
	AP	4,689,553	08-25-1987	Haddox
	AQ	4,737,705	04-12-1988	Bitar et al.
	AR	4,872,349	10-10-1989	Espiritu-Santo
	AS	4,932,265	06-12-1990	Skuratovsky et al.
DBA	AT	4,955,028	09-04-1990	Alferness et al.

EXAMINER: /Denise Anderson/

DATE CONSIDERED: 05/25/2006

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## U.S. PATENT DOCUMENTS

Examiner Initials		Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents
DBA	AU	5,097,476	03-17-1992	Thiessen
	AV	5,103,279	04-07-1992	Gutteridge
	AW	5,150,060	09-22-1992	Bitar
	AX	5,182,779	01-26-1993	D'Agostino et al.
	AY	5,182,979	02-02-1993	Morgan
	AZ	5,187,546	02-16-1993	Johnston
	BA	5,191,237	03-02-1993	Takebe
	BB	5,241,278	08-31-1993	Bitar
	BC	5,319,435	06-07-1994	Melle et al.
	BD	5,349,867	09-27-1994	Park
	BE	5,361,313	11-01-1994	O'Keefe
	BF	5,400,140	03-21-1995	Johnston
	BG	5,438,274	08-01-1995	Bitar et al.
	BH	5,491,422	02-13-1996	Bitar et al.
	BI	5,509,022	04-16-1996	Lowery et al.
	BJ	5,513,913	05-07-1996	Ball et al.
	BK	5,519,326	05-21-1996	Bitar et al.
	BL	5,534,992	07-09-1996	Takeshima et al.
	BM	5,564,832	10-15-1996	Ball et al.
	BN	5,594,543	01-14-1997	de Groot et al.
	BO	5,625,144	04-29-1997	Chang
	BP	5,642,375	06-24-1997	King et al.
	BQ	5,663,792	09-02-1997	Killpatrick et al.
	BR	5,808,743	09-15-1998	Stephens et al.
✓	BS	5,825,799	10-20-1998	Ho et al.
DBA	BT	6,484,585	11-26-2002	Sittler et al.

EXAMINER: /Denise Anderson/ DATE CONSIDERED: 05/25/2006

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		Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Translation Yes No
DBA	BU	JP 07063855	03-10-1995		Abstract Only
DBA	BV	European 0 571 107 A1	11-24-1993	Vaisala Technologies Inc.	Yes
DBA	BW	European 0 348 039 A2	12-27-1989	Reiton Corporation	Yes
DBA	BX	PCT WO 95/13638	05-18-1995	International Business Machines Corporation	Yes

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DBA	BY	Arentoft, et al. Picco, D1 Report, pages 1-26
	BZ	Berkoff, et al. "Experimental Demonstration of a Fiber Bragg Grating Accelerometer", <i>Photonics Tech. Letters</i> 8(12): 1677-1679 (1996)
	CA	Big Payoffs in a Flash, <i>Scientific American</i> September 2000 pages 73-79
	CB	Cai, et al. "Fiber-Optic Add-Drop Device Based on a Silica Microsphere-Whispering Gallery Mode System," <i>Photonics Technology Letters</i> 11(6):686-687 (1999)
	CC	Cai, et al. "Highly efficient optical power transfer to whispering-gallery modes by use of a symmetrical dual-coupling configuration," <i>Optics Letters</i> 25(4): 260-262 (2000)
	CD	Dandliker, et al. "Electronically scanned white-light interferometry: a novel noise-resistant signal processing," <i>Optics Letters</i> 17(9): 679-681 (1992)
	CE	DeBrabander, et al., "Integrated Optical Ring Resonator with Micromechanical Diaphragm for Pressure Sensing," <i>Photonics Technology Letters</i> 6(5):671-673 (1994)
	CF	"Fiber Optic Sensors by Blue Road Research," <i>MEMS - Micromachines in Silicon - MEMS and MST from Standard MEMS</i>
	CG	Fuhr, "Measuring with Light; Part 1" <i>Sensors</i> (2000)
	CH	Fuhr, "Measuring with Light; Part 2" <i>Sensors</i> (2000)
	CI	Fuhr, "Measuring with Light; Part 3" <i>Sensors</i> (2002)
	CJ	"High-quality ring resonators," Zurich Research Laboratory
	CK	Jones, et al. "Near-diffraction-limited high power (~1W) single longitudinal mode CW diode laser tunable from 960 to 980 nm," <i>Electronics Letters</i> 31(19):1668-1669 (1995)
✓	CL	Jones, et al. "Stabilization of the frequency, phase and repetition rate of an ultra-short pulse train to Fabry-Perot reference cavity," <i>Optics Communications</i> 175:409-418 (2000)
DBA	CM	Katagiri, et al. "Dynamic microforce measurement by a distortion detection with a coupled-cavity laser displacement sensor stabilized in a mechanical negative-feedback loop," <i>Applied Optics</i> 37(31):7193-7199 (1998)

EXAMINER: /Denise Anderson/ DATE CONSIDERED: 05/25/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DBA	CN	Katagiri, et al. "Passively Mode-Locked Micromechanically-Tunable Semiconductor Lasers," <i>IEICE Trans. Electron.</i> E81(2):151-159 (1998)
	CO	Katagiri, "Small Displacement Sensor Measures Tiny Forces," <i>Sensor Technology</i> 16(6):7
	CP	Kersey, et al. "Fiber Grating Sensors," <i>Journal of Lightwave Technology</i> 15(8):1442-1463 (1997)
	CQ	Koo, et al. "Bragg Grating-Based Laser Sensors Systems with Interferometric Interrogation and Wavelength Division Multiplexing," <i>Journal of Lightwave Technology</i> 13(7):1243-1249 (1995)
	CR	Kurita, et al. "Ultrafast All-Optical Signal Processing with Mode-Locked Semiconductor Lasers," <i>IEICE Trans Electron</i> E81-C(2):129-139 (1998)
	CS	"Light-sensing technologies hurdle barriers," <i>NASA News</i> page 28 (1997)
	CT	Meggitt, et al. "An all fibre white light interferometric strain measurement system," <i>Sensors and Actuators</i> 79:1-7 (2000)
	CU	Meggitt, et al. "Fiber optic white-light interferometric sensors," <i>Optical Fiber Sensor Tech</i> pages 269-312 (1995)
	CV	Notcutt et al. "Allan Deviation Measurements of a Cryogenic All-Sapphire Fabry-Perot Reference Cavity," <i>1996 Conference on Precision Electromagnetic Measurements Digest</i> , pages 193-194 (1996)
	CW	Rao, et al. "Recent progress in fibre optic low-coherence interferometry," <i>Meas. Sci. Technol.</i> 7:981-999 (1996)
	CX	"Resonant Structures and Devices Research," MIT Microphotonics Center
	CY	Rogister, et al. "Experimental demonstration of suppression of low-frequency fluctuations and stabilization of an external-cavity laser diode," <i>Optics Letters</i> 25(11):808-810 (2000)
	CZ	Schulz, et al. "Advanced fiber grating strain sensor systems for bridges, structures, and highways,"
	DA	Schulz, et al. "Health monitoring of an adhesive joint using a multi-axis fiber grating strain sensor system"
	DB	Sutter, et al. "The Shortest KLM Ti-Sapphire Laser Pulse Started by a Semiconductor Saturable Absorber Mirror (SESAM), <i>IEICE Trans. Electron.</i> E81-C(2):123-124 (1998)
	DC	"Surface Gratings for Optical Coupling with Microspheres" NASA's Jet Propulsion Laboratory
	DD	"Systems & Sensors," Bell College of Technology
	DE	Tabib-Azar, et al. "Fiber-optics MEMS pressure sensors based on evanescent field interaction," <i>SPIE</i> 3276:135-146
	DF	Tabib-Azar, et al. "MOEM Pressure and Other Physical Sensors Using Photon Tunneling and Optical Evanescent Fields with Exponential Sensitivities and Excellent Stabilities," <i>Conf. On Microelectronic Structures and MEMS for Optical Processing</i> 3513:210-222 (1998)
✓	DG	Talvitie, et al. "Improved frequency stability of an external cavity diode laser by eliminating temperature and pressure effects," <i>Applied Optics</i> 35(21):4166-4168 (1996)
DBA	DH	Technology Transfer, OPLL sensor eases strain monitoring, NASA news, July 2000, page 30

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DBA	DI	Udem, et al. "Accurate measurement of large optical frequency differences with a mode-locked laser," <i>Optics Letters</i> 24(13):881-883 (1999)
	DJ	Vasil'ev, et al. "A Diode Laser with an External High-Q Microcavity" LEOS Summer Topical Meeting, pages 31-32 (1997)
	DK	Vassilovski, et al. "Carrier Transport Effects in Active and Passive Modelocking of Monolithic Quantum-Well Lasers at Millimeter-Wave Frequencies," <i>Photonics Tech. Letters</i> 8(12):1603-1605 (1996)
	DL	Weisbuch et al., "Advances in Photonic Crystals," <i>Phys. Stat. Sol.</i> 221:93-99 (2000)
✓	DM	Weiss, "Spectrum deftly takes visible light's pulse," <i>Science News</i> 157(23):358-359 (2000)
DBA	DN	Xinqi, et al. "A Narrow Line Width Tunable Diode Laser System," <i>Chinese Journal of Lasers</i> , B7(3):217-221 (1998)

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